

## Sequence Listing

<110> MOGAM BIOTECHNOLOGY RESEARCH INSTITUTE

5 <120> THERAPEUTIC AGENT FOR TREATMENT OF CANCER COMPRISING HUMAN  
APOLIPOPROTEIN (A) KRINGLES LK68 OR LK8 GENES AS EFFECTIVE  
INGREDIENT, AND METHOD FOR TREATING CANCER USING THE SAME

<130> 4fpo-12-11

10 <150> KR1020040001695

<151> 2004-01-09

<160> 11

<170> KopatentIn 1.71

15 <210> 1

<211> 924

<212> DNA

<213> Homo sapiens

<400> 1

20 aaaagccctg tgggccagga ttgctaccat ggtgatggac ggagttatcg aggcatatcc 60  
tccaccactg tcacaggaag gacctgtcaa tcttgggtcat ctatgatacc aacttgcat 120  
cagaggaccc cagaaaacta cccaaatgct ggcctgaccg agaactactg caggaatcca 180  
gattctggga aacaaccctg gtgttacaca accgatccgt gtgtgaggtg ggagtactgc 240  
aatctgacac aatgctcaga aacagaatca ggtgtcctag agactccac tgttggtcca 300

gttccaagca tggaggctca ttctgaagca gcaccaactg agcaaaccac tgtgggtccgc 360  
 cagtgtctacc atggcaatgg ccagagttat cgaggcacat tctccaccac tgtcacagga 420  
 aggacatgtc aatcttgggtc atccatgaca ccacaccggc atcagaggac cccagaaaac 480  
 taccctaaatg atggcctgac aatgaactac tgcaggaatc cagatgccga tacaggccct 540  
 5 tgggtgtttta ccacggaccc cagcatcagg tgggagtact gcaacctgac gcgatgtctca 600  
 gacacagaag ggactgtggg cgctcctccg actgtcatcc aggttccaag cctagggcct 660  
 ccttctgaac aagactgtat gtttgggaat gggaaaggat accggggcaa gaaggcaacc 720  
 actgttactg ggacgccatg ccaggaatgg gctgcccgagg agccccatag acacagcacg 780  
 ttcatctccag ggacaaataa atgggcagggt ctggaaaaaa attactgccg taaccctgat 840  
 10 ggtgacatca atgggtccctg gtgctacaca atgaatccaa gaaaactttt tgactactgt 900  
 gatatccctc tctgtgcatc ctct 924

<210> 2

<211> 258

15 <212> DNA

<213> Homo sapiens

<400> 2

gaacaggact gcatgtttgg gaatgggaaa ggataccggg gcaagaaggc aaccactgtt 60  
 actgggacgc catgccagga atgggctgcc caggagcccc atagacacag cacgttcatt 120  
 20 ccagggacaa ataaatgggc aggtctggaa aaaaattact gccgtaacct tgatgggtgac 180  
 atcaatgggtc cctgggtgcta cacaatgaat ccaagaaaac tttttgacta ctgtgatatc 240  
 cctctctgtg catcctct 258

<210> 3

<211> 39  
<212> DNA  
<213> Artificial Sequence  
<220>  
5 <223> sense primer of LK68  
<400> 3  
gcggcccagc cggccaaaag ccctgtggtc caggattgc 39

<210> 4  
10 <211> 33  
<212> DNA  
<213> Artificial Sequence  
<220>  
15 <223> sense primer of LK8  
<400> 4  
gcggcccagc cggcccctcc ttctgaacaa gac 33

20 <210> 5  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>

<223> antisense primer of LK68 or LK8

<400> 5

5 ccgctcgagt taagaggatg cacagagagg gatatc

36

<210> 6

<211> 39

<212> DNA

10 <213> Artificial Sequence

<220>

<223> sense primer for virus vector

15

\*1080<400> 6

ccggaattcc tagccaccat ggagacagac acactcctg

39

<210> 7

20 <211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> LK68 NdeI sense primer

<400> 7

tccatatgaa aagccctgtg gtccaggat

29

5

<210> 8

<211> 23

<212> DNA

<213> Artificial Sequence

10

<220>

<223> LK68 BamHI antisense primer

<400> 8

15 cgggatcctt aagaggatgc aca

23

<210> 9

<211> 24

<212> DNA

20 <213> Artificial Sequence

<220>

<223> LK8 NdeI sense primer

<400> 9

catatgtctg aacaagactg tatg

24

<210> 10

5 <211> 21

<212> DNA

<213> Artificial Sequence

<220>

10 <223> IgK EcoRI forward primer

<400> 10

ggaattcaag ctggctagcc a

21

15 <210> 11

<211> 50

<212> DNA

<213> Artificial Sequence

20 <220>

<223> LK68 Flag epitope, XhoI antisense primer

<400> 11

atctcgagtt acttgtcatc gtcgtccttg tagtcagagg atgcacagag

50